Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
Data File : BG047089.D
Acq On : 27 Oct 2020 11:03
Operator : CG/JU
Sample : L4214-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations APPROVED
mohammad
10/28/2020 8:05:48 AM

Quant Time: Oct 27 12:47:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 27 12:36:22 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.053	152	41246	20.00	ng		0.00
21) Naphthalene-d8	10.868	136	148035	20.00	ng		# 0.00
39) Acenaphthene-d10	14.687	164	108183	20.00	ng		0.00
64) Phenanthrene-d10	17.430	188	265746	20.00	ng		# 0.00
76) Chrysene-d12	21.696	240	314260	20.00	ng		# 0.00
86) Perylene-d12	24.928	264	311772	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.615	112	377550	162.26	ng		0.00
7) Phenol-d6	7.207	99	512880	152.43	ng		0.00
23) Nitrobenzene-d5	9.217	82	368468	119.20	ng		0.00
42) 2,4,6-Tribromophenol	16.173	330	286756	165.37	ng		0.00
45) 2-Fluorobiphenyl	13.312	172	934076	122.07	ng		0.00
79) Terphenyl-d14	20.039	244	1866753	115.50	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.506	88	5303	5.04	ng	#	95
3) Pyridine	3.905	79	12607	4.42	ng	#	88
4) n-Nitrosodimethylamine	3.817	42	5795	3.83	ng	#	94
6) Aniline	7.378	93	17854	4.49	ng	#	90
8) 2-Chlorophenol	7.618	128	10255	4.15	ng		83
9) Benzaldehyde	7.189	77	11570	6.14	ng		85
10) Phenol	7.236	94	14177	4.46	ng	#	75
11) bis(2-Chloroethyl)ether	7.471	93	10508	4.20	ng		95
12) 1,3-Dichlorobenzene	7.947	146	12486	3.96	ng	#	78
13) 1,4-Dichlorobenzene	8.094	146	13882	4.36	ng		98
14) 1,2-Dichlorobenzene	8.412	146	12751m	4.23	ng		
15) Benzyl Alcohol	8.288	79	9408	3.59	ng	#	72
16) 2,2'-oxybis(1-Chloropr...	8.576	45	16060	4.06	ng		95
17) 2-Methylphenol	8.494	107	8230	3.77	ng	#	81
18) Hexachloroethane	9.152	117	5116	4.29	ng	#	64
19) n-Nitroso-di-n-propyla...	8.858	70	9495	4.14	ng	#	93
20) 3+4-Methylphenols	8.817	107	11511	3.91	ng	#	86
22) Acetophenone	8.876	105	18027	4.52	ng	#	81
24) Nitrobenzene	9.258	77	14401	4.49	ng	#	89
25) Isophorone	9.781	82	24405	4.41	ng	#	96
26) 2-Nitrophenol	9.980	139	5865	4.21	ng	#	84
27) 2,4-Dimethylphenol	10.027	122	9177	4.82	ng	#	87
28) bis(2-Chloroethoxy)met...	10.262	93	14361	4.21	ng		95
29) 2,4-Dichlorophenol	10.515	162	11022	4.21	ng		88
30) 1,2,4-Trichlorobenzene	10.727	180	13456	4.17	ng		99
31) Naphthalene	10.915	128	35610	4.60	ng		95
33) 4-Chloroaniline	11.020	127	13393	3.98	ng	#	94
34) Hexachlorobutadiene	11.197	225	10444	4.32	ng	#	80
35) Caprolactam	11.766	113	3093	3.55	ng	#	72
36) 4-Chloro-3-methylphenol	12.131	107	10724	3.95	ng	#	80
37) 2-Methylnaphthalene	12.513	142	27320	4.54	ng		92
38) 1-Methylnaphthalene	12.736	142	25866	4.54	ng		88
40) 1,2,4,5-Tetrachloroben...	12.889	216	17358	4.39	ng		96
41) Hexachlorocyclopentadiene	12.865	237	9400	4.35	ng		88
43) 2,4,6-Trichlorophenol	13.124	196	10388m	4.03	ng		
44) 2,4,5-Trichlorophenol	13.194	196	10592	4.05	ng	#	85

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.523	154	37195	4.54	ng		91
47) 2-Chloronaphthalene	13.570	162	28402	4.21	ng		97
48) 2-Nitroaniline	13.758	65	6990	3.18	ng	#	80
49) Acenaphthylene	14.410	152	43843	4.48	ng	#	93
50) Dimethylphthalate	14.128	163	39107	4.39	ng	#	98
51) 2,6-Dinitrotoluene	14.252	165	7862	4.23	ng	#	72
52) Acenaphthene	14.745	154	28084	4.40	ng		91
53) 3-Nitroaniline	14.587	138	6786	3.67	ng		99
54) 2,4-Dinitrophenol	14.798	184	2837	2.31	ng		93
55) Dibenzofuran	15.080	168	46353	4.52	ng		94
56) 4-Nitrophenol	14.886	139	4158	2.88	ng	#	78
57) 2,4-Dinitrotoluene	15.039	165	10634	3.98	ng	#	79
58) Fluorene	15.732	166	37818	4.57	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.309	232	11779	4.24	ng		97
60) Diethylphthalate	15.492	149	39800	4.48	ng		96
61) 4-Chlorophenyl-phenyle...	15.721	204	21441	4.34	ng		94
62) 4-Nitroaniline	15.738	138	6677	3.37	ng	#	82
63) Azobenzene	16.014	77	35316	4.48	ng		89
65) 4,6-Dinitro-2-methylph...	15.809	198	5674	3.47	ng		91
66) n-Nitrosodiphenylamine	15.932	169	34375	4.51	ng		93
67) 4-Bromophenyl-phenylether	16.614	248	15023	4.30	ng	#	92
68) Hexachlorobenzene	16.737	284	14826	4.02	ng		91
69) Atrazine	16.878	200	12759	4.07	ng		90
70) Pentachlorophenol	17.084	266	6701	3.12	ng		89
71) Phenanthrene	17.472	178	65901	4.64	ng		98
72) Anthracene	17.566	178	63807	4.59	ng		96
73) Carbazole	17.830	167	56448	4.56	ng		97
74) Di-n-butylphthalate	18.382	149	68519	4.48	ng	#	98
75) Fluoranthene	19.475	202	85226	4.67	ng		94
77) Benzidine	19.657	184	27574	3.84	ng		98
78) Pyrene	19.839	202	88682m	4.43	ng		
80) Butylbenzylphthalate	20.715	149	28437	3.70	ng		92
81) Benzo(a)anthracene	21.678	228	93588	4.55	ng		94
82) 3,3'-Dichlorobenzidine	21.590	252	31808	4.26	ng		95
83) Chrysene	21.743	228	90726	4.63	ng		98
84) Bis(2-ethylhexyl)phtha...	21.578	149	42501	3.93	ng		94
85) Di-n-octyl phthalate	22.789	149	71476	3.93	ng	#	92
87) Indeno(1,2,3-cd)pyrene	28.594	276	97564	4.29	ng	#	86
88) Benzo(b)fluoranthene	23.899	252	86752	4.26	ng	#	91
89) Benzo(k)fluoranthene	23.964	252	87433	4.42	ng	#	93
90) Benzo(a)pyrene	24.769	252	77930	4.09	ng	#	95
91) Dibenzo(a,h)anthracene	28.670	278	77633	4.20	ng	#	92
92) Benzo(g,h,i)perylene	29.751	276	78415	4.27	ng	#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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